Girija Infrastructure

Civil Engineering Services & Consultancy
Building & Highway Material Testing Laboratory

Job No: **GIRJI/KRIDL/Ward No.12/2019-20** Date: 11.12.2019

TEST REPORT

CLIENT	:	**Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
AGENCY	:	The Technical Manager (West), KRIDL, Bangalore - 560010
NAME OF WORK	:	Providing Sanitary pipelines at missing bits in ward no.12 Shettyhalli Sub Division
REFRENCE	:	EE/DD/W.O/444/2019-2020 Dated:02.12.2019
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY
DATE OF TESTING	:	11.12.2019

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	Standard Consistency	IS-4031 (Part -4)	27.50 %	-
2	a) Initial Setting Time	IS-4031 (Part -5)	240 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	310 Minutes	Not More than 600 Minutes
4	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
5	Fineness by Dry Sieving	IS-4031 (Part -1)	3.5 %	Not more than 10%

Note:

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⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 15 days from the date of testing.

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AE/AE/12

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Girija Infrastructure

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Building & Highway Material Testing Laboratory

Job No.: GIRJI/KRIDL/Ward No.12/2019-20 Date : 11.12.2019

TEST REPORT ON COARSE AGGREGATES
IS 2386(Part-1)-1963 RA2016

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : The Technical Manager (West), KRIDL, Bangalore - 560010

Name of Work : Providing Sanitary pipelines at missing bits in ward no.12 Shettyhalli Sub Division

Refrence : EE/DD/W.O/444/2019-2020 Dated:02.12.2019

Date of Testing : 11.12.2019

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	428	2.85	2.85	97.15	95-100
20	8436	56.24	59.09	40.91	30-70
10	3312	22.08	81.17	18.83	10-35
4.75	2241	14.94	96.11	3.89	0-5

Information is furnished by the Agency

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Girija Infrastructure

Civil Engineering Services & Consultancy
Building & Highway Material Testing Laboratory

Job No.: GIRJI/KRIDL/Ward No.12/2019-20 **Date:** 16.12.2019

Test Report Of Salt Glazed Stoneware Pipes

Client	**Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**The Technical Manager (West), KRIDL, Bangalore - 560010**
Name of the work	Providing Sanitary pipelines at missing bits in ward no.12 Shettyhalli Sub Division
Refrence	EE/DD/W.O/444/2019-2020 Dated:02.12.2019
Type of Sample	Salt Glazed Stoneware Pipe(230mm dia)SP-1 Class
Techinical Reference	**As Per IS-651:2007 (VI revision)**
Date of Testing	16.12.2019

Sl no	Internal Diameter	Thickness of Pipe	% absorption	% of Acid Resistance	Crushing Strength kN/m
1	230mm	23mm	4.4	1.76	17.36
2	230mm	23mm	4.6	1.84	17.62
3	230mm	23mm	4.7	1.92	17.71
Requirements as per IS-651:2007(VI Revision)	-----	----	**Maximum 6%**	**Not Exceed 2.5%**	**Minimum 16kN/m**

Note:

1. This test report should not be reproduced except in full, without written approval of the laboratory
2. The results indicated above are based on the tests carried out on the samples received in the laboratory
3. Any Query regarding the report must be reported within 90 days from the date of testing

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ಎಸ್. ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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Girija Infrastructure

Civil Engineering Services & Consultancy
Building & Highway Material Testing Laboratory

Job No.: GIRJI/KRIDL/Ward No.12/2019-20 Date: 19.12.2019

TEST REPORT

CLIENT	:	**Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
AGENCY	:	The Technical Manager (West), KRIDL, Bangalore - 560010
NAME OF THE WORK	:	Providing Sanitary pipelines at missing bits in ward no.12 Shettyhalli Sub Division
REFRENCE	:	EE/DD/W.O/444/2019-2020 Dated:02.12.2019
SAMPLE ID	:	BRICKS
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the samples are as follows:

Sl. No	Description	Test method as per IS Codes	Result	Requirement as per IS 1077-1992 (Rev-5)
1	Compressive Strength Of Bricks	IS 3495-1992 (Part-1) RA2016	5.25N/mm^2	Class designation 5.0
2	Water Absorption of Bricks	IS 3495-1992 (Part – 2) RA2016	12.36 %	Not more than 20 %
3	Efflorescence of Bricks	IS 3495-1992 (Part – 3) RA2016	Moderate	Up to 12.5 Class

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